Cometary Cell C2044

Track 36

Images

Aerogel Cell:
C044-01.jpg

Track and Grains:
C044_Track2_lowerhalf.jpg
C044_Track2_upperhalf.jpg
C044-Track2-upperhalf.jpg
Track2-sideview1.jpg
Track2-sideview2.jpg
Track2_sideview1.jpg
Track2_sideview2.jpg

Track History: Keystone prepared by C. Snead and A. Westphal at Berkeley Feb 06. Terminal grain removed by Snead and microtomed at Berkeley.

Track Characteristics
Type: Carrot track
Length: ~400µm
Grain diameters: Not measured

Allocation History

Results

Track:
Leroux (TEM): Contains pyrrhotite. Diffraction data are consistent with two a hexagonal structure (slightly distorted): a = 5.88, c = 11.39 Á, but the strong diffraction spots can also be described by a monoclinic structure: a' = 11.902, b' = 6.86, c'= 22.787 Á, β = 90.43.
S. Wirick (STXM): organics correlate with fractures (chatter?) in sulfide crystal; is this evidence of organic contamination during microtomy?

Data Files: No Data

Click here to return to the *Stardust Catalog* Table of Contents